

Data File Documentation for Completions in Postsecondary Institutions 1996-97

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I. Introduction

The Completions (C) survey is conducted annually as part of the National Center for Education Statistics' Integrated Postsecondary Education Data System (IPEDS).¹ The "C" survey collects data on the number of degrees and other formal awards conferred each year by postsecondary institutions in the United States and its outlying areas.² The final 1996-97 Completions file includes data for the nearly 7,000 postsecondary institutions across the nation.

Completions data were requested from 6,810 postsecondary institutions offering academic, vocational, and continuing professional education programs in 1996-97. The following provides the level of detail requested on each survey form:

Form Type	Level of Institution	Data Requested By:
C	All level schools	Level of awards: Less-than-2-years, less-than-4-years, baccalaureate and above, first-professional Program titles and codes Sex and race/ethnicity of recipients
CN	All level schools	Level of awards: Less-than-2-years, less-than-4-years, baccalaureate and above Program titles and codes Sex and race/ethnicity of recipients

The Completions records for each institution correspond to the 6-digit program codes and the award level at which degrees or other awards were conferred. The program titles and codes are listed in the 1990 version of *A Classification of Instructional Programs* (CIP).

NCES conducts the Completions survey and all other IPEDS surveys in order to fulfill its legislative mission "to collect, and analyze, and disseminate statistics and other data related to education in the United States..." (20 U.S.C. 1221e-1, General Education Provisions Act, Sec. 406(b), as amended).

¹Other IPEDS surveys include Institutional Characteristics, Fall Enrollment, Fall Enrollment in Occupationally Specific Programs, Finance, Salaries, Fall Staff, Academic Libraries, and the Consolidated survey.

²Postsecondary education is defined as the provision of a formal instructional program whose curriculum is designed primarily for students who are beyond the compulsory age for high school. This includes programs whose purpose is academic, vocational, and continuing professional education, and excludes avocational and adult basic education programs.

II. Survey Methodology

Overview

The 1996-97 Completions survey was mailed to 4,137 accredited institutions of higher education in the 50 states, District of Columbia, and the outlying areas. In addition, the Consolidated (CN) survey form, which also requested completions data, was mailed to 2,673 other schools offering degrees or awards ranging from certificates of less-than-one-year to post-master's certificates. The completions data collected by the CN survey were extracted, reformatted, and incorporated into the file along with the C data.

Universe, Institutions Surveyed and Response Rates

A major subset of all postsecondary institutions are those institutions that are eligible to participate in Title IV aid. It is this group of institutions that annually receives a Completions survey. Beginning in 1996, the subset of eligible institutions was validated by matching the IPEDS universe with the Postsecondary Education Participation System (PEPS) file which is maintained by the Office of Postsecondary Education (OPE). OPE grants eligibility to institutions to participate in Title IV federal financial aid programs. This validation process was repeated for determining eligibility, and 6,443 accredited institutions were mailed one of the survey forms.

The 1996-97 survey forms were mailed in July 1997 to a universe of all 4-year, 2-year, and less than 2-year schools. The survey results were collected from October 1997 through April 1998. During this time period institutions determined to be out-of-scope were deleted from the universe. These deletions resulted from formal notification by IPEDS state coordinators, the Department of Education eligibility notices, and from followup telephone calls. Included in the deletions were schools that had closed, did not offer postsecondary programs, or that were identified as duplicates on the file. At the conclusion of this process, 6,689 institutions remained in-scope.

Followup for nonresponse began in November 1997 and was conducted by letter and telephone. The Postsecondary Education Telephone System (PETS) was used to solicit data from the nonrespondents to the surveys in those institutions for which IPEDS state coordinators were not responsible for followup. Schools responding through PETS were asked to provide only the total number of completions, by award level and sex; racial/ethnic data were not requested.

Table A shows the number of institutions that were mailed the 1996-97 Completions survey (or Consolidated form) by level and control of institution (sector); the final in-scope universe of institutions receiving either survey form; the number of in-scope institutions that responded; and the response rates.

Table A.--Number of postsecondary institutions in the 1996-97 Completions survey and survey response rates, by survey form and sector of institution: 50 states, District of Columbia, and the outlying areas, 1996-97

Survey form and sector of institution	Mailed	Final universe	Number responded	Response rate
All postsecondary	6,810	6,689	6,309	94.3
Completions survey (C)	4,137	4,116	3,963	96.3
Consolidated survey (CN)	2,673	2,573	2,346	91.2
4-year	2,365	2,387	2,305	96.6
Public	631	635	631	99.4
Private, non-profit	1,581	1,587	1,516	95.5
Private, for-profit	153	165	158	95.8
2-year	2,494	2,434	2,318	95.2
Public	1,248	1,223	1,201	98.2
Private, non-profit	390	369	338	91.6
Private, for-profit	856	842	779	92.5
Less-than-2-year	1,951	1,868	1,686	90.3
Public	215	224	212	94.6
Private, non-profit	100	98	92	93.9
Private, for-profit	1,636	1,546	1,382	89.4

NOTE: By definition, 4-year institutions offer a bachelor's degree or postbaccalaureate award of some kind; 2-year institutions offer at least one program of at least 2 years' duration; and less-than-2-year schools offer only programs of less-than-2-years' duration. The sector of the institution at the time of mailout (as of July 1997) may differ from its final sector (as of June 1998) due to a shift in the highest level of offering, or due to improper classification by sector the prior year. Response rates were calculated as the ratio of the number of completed survey forms divided by the number of completed survey forms divided by the number of schools in the final universe; that is, the number mailed minus the number determined to be out-of-scope.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, "Completions" survey, 1996-97 and "Consolidated" survey, 1997.

On the Completions and Consolidated survey files, institutions are identified as (1) degree-granting, i.e., those that offer either an associate's, bachelor's, master's, doctor's, or first-professional degree; or (2) non-degree-granting (certificate only), i.e., those institutions that offer only certificates at any postsecondary level. Institutions offering only postbaccalaureate, post-master's, or first-professional certificates and institutions offering certificates of less-than-4-years are included in this group.

Table B provides the number of institutions and survey response rates by eligibility status and degree-granting status by location and sector of institution. The institution's eligibility status was updated in March 1998, and 287 institutions that were sent a Completions or Consolidated survey lost eligibility status. There are 6,402 eligible institutions on the file; of these, 4,078 are degree-granting.

Editing

During editing, all forms were checked for CIP code validity against the 1990 version of *Classification of Instructional Programs*. Several addition checks were performed. For each 6-digit program, the sum of the racial/ethnic columns for men and women was compared with the totals reported. Also, for each award level, total lines for each race/ethnicity and sex were generated and compared to reported totals. If the reported total differed, but was within a designated range, the reported total was replaced by the generated total and the cell was flagged with the proper imputation code. If the difference exceeded the designated range, institutions were contacted for verification of the reported data and, as appropriate, corrections were made to the file.

Imputations

Completions data were imputed for nonresponding institutions - both total nonresponse and partial nonresponse to specific data items. The following imputation procedures were used:

Total Nonrespondents

1. For institutions with reported data on the 1995-96 Completions file, the prior year's data, including race/ethnicity and program or discipline, were used. The totals by award level and discipline were unchanged.
2. For institutions without prior year data but that were respondents or had data imputed on the Fall Enrollment 1996 file and responded to the 1996-97 Institutional Characteristics (IC) file:
 - a. The level(s) of awards to be imputed were determined from the IC data; and
 - b. Schools which did respond to the 1996-97 Completions survey were grouped by institution sector and degrees/certificates awarded. Ratios of the number of degrees by award level, race, and sex to enrollment by level, race, and sex were developed, and these ratios were applied to the nonresponding institution's enrollment data to compute estimated total completions by award level, race, and sex.
 - c. No imputations were made by program or discipline.

Table B.--Number and survey response rates of postsecondary institutions, by Title IV eligibility, degree-granting status, and location and sector of institution: 50 states, District of Columbia, and the outlying areas, 1996-97

Degree-granting status and location and sector of institution	All institutions			Eligible			Not eligible		
	Final universe	Number responded	Response rate	Final universe	Number responded	Response rate	Final universe	Number responded	Response rate
All institutions	6,689	6,309	94.3	6,402	6,130	95.8	287	179	62.4
50 states and DC	6,546	6,190	94.6	6,265	6,015	96	281	175	62.3
Outlying areas	143	119	83.2	137	115	83.9	6	4	66.7
Degree-granting	4,118	3,967	96.3	4,078	3,937	96.5	40	30	75
50 states and DC	4,041	3,899	96.5	4,002	3,870	96.7	39	29	74.4
Outlying areas	77	68	88.3	76	67	88.2	1	1	100
Non-degree-granting	2,571	2,342	91.1	2,324	2,193	94.4	247	149	60.3
50 states and DC	2,505	2,291	91.5	2,263	2,145	94.8	242	146	60.3
Outlying areas	66	51	77.3	61	48	78.7	5	3	60
All institutions	6,689	6,309	94.3	6,402	6,130	95.8	287	179	62.4
4-year	2,387	2,305	96.6	2,359	2,285	96.9	28	20	71.4
Public	635	631	99.4	634	630	99.4	1	1	100
Private, non-profit	1,587	1,516	95.5	1,563	1,500	96	24	16	66.7
Private, for-profit	165	158	95.8	162	155	95.7	3	3	100
2-year	2,434	2,318	95.2	2,356	2,265	96.1	78	53	67.9
Public	1,223	1,201	98.2	1,220	1,198	98.2	3	3	100
Private, non-profit	369	338	91.6	334	318	95.2	35	20	57.1
Private, for-profit	842	779	92.5	802	749	93.4	40	30	75
Less-than-2-year	1,868	1,686	90.3	1,687	1,580	93.7	181	106	58.6
Public	224	212	94.6	217	207	95.4	7	5	71.4
Private, non-profit	98	92	93.9	91	88	96.7	7	4	57.1
Private, for-profit	1,546	1,382	89.4	1,379	1,285	93.2	167	97	58.1
Degree-granting	4,118	3,967	96.3	4,078	3,937	96.5	40	30	75
4-year	2,342	2,264	96.7	2,325	2,253	96.9	17	11	64.7
Public	630	626	99.4	630	626	99.4	0	0	---
Private, non-profit	1,552	1,484	95.6	1,538	1,476	96	14	8	57.1
Private, for-profit	160	154	96.3	157	151	96.2	3	3	100
2-year	1,776	1,703	95.9	1,753	1,684	96.1	23	19	82.6
Public	1,101	1,082	98.3	1,101	1,082	98.3	0	0	---
Private, non-profit	180	169	93.9	173	166	96	7	3	42.9
Private, for-profit	495	452	91.3	479	436	91	16	16	100
Non-degree-granting	2,571	2,342	91.1	2,324	2,193	94.4	247	149	
4-year	45	41	91.1	34	32	94.1	11	9	81.8
Public	5	5	100	4	4	100	1	1	100
Private, non-profit	35	32	91.4	25	24	96	10	8	80
Private, for-profit	5	4	80	5	4	80	0	0	---
2-year	658	615	93.5	603	581	96.4	55	34	61.8
Public	122	119	97.5	119	116	97.5	3	3	100
Private, non-profit	189	169	89.4	161	152	94.4	28	17	60.7
Private, for-profit	347	327	94.2	323	313	96.9	24	14	58.3
Less-than-2-year	1,868	1,686	90.3	1,687	1,580	93.7	181	106	58.6
Public	224	212	94.6	217	207	95.4	7	5	71.4
Private, non-profit	98	92	93.9	91	88	96.7	7	4	57.1
Private, for-profit	1,546	1,382	89.4	1,379	1,285	93.2	167	97	58.1

--- Response rate not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, "Completions" survey, 1996-97 and "Consolidated" survey, 1997.

3. For institutions with neither 1995-96 Completions data nor Fall Enrollment 1996 data, but which did have data on the 1996-97 IC file, the levels of awards to be imputed were again determined from the IC data and responding institutions grouped by institution sector and degrees/certificates awarded. The mean numbers of degrees by award level, race, and sex from respondents in each group were used as the imputed values for nonresponding institutions within that same group.

Partial Nonrespondents

Partial imputations were performed for those institutions that failed to report race/ethnicity and/or data by program or discipline, but provided total awards by level of award and sex.

1. If prior year Completions data were available, the distributions for levels of awards, race/ethnicity and discipline reported in the prior year were applied to current year reported total awards.
2. If no prior year Completions data were available, the distributions of reported total awards by race/ethnicity within degree levels and sex were based on a group of similar institutions, as defined by institutional sector and degrees/certificates awarded.

Table C provides the number and percentage of degrees imputed for each award level, by sex of recipient.

There were 15 institutions for which imputation could not be used. Their records will appear blank with the appropriate respondent status code (RSTATUS = 03). These 15 institutions are listed in Appendix C.

The records for the institutions that conferred no awards or degrees between July 1, 1995 and June 30, 1996 were zero-filled.

Table C.--Number and percentage of all degrees and awards imputed for all postsecondary institutions, by control of institution, level of award, and sex of recipient : 50 states, District of Columbia, and the outlying areas, 1996-

Level of award and sex of recipient	Total			Public			Private, non-profit			Private, for-profit		
	Degrees/ certificates awarded	Imputed		Degrees/ certificates awarded	Imputed		Degrees/ certificates awarded	Imputed		Degrees/ certificates awarded	Imputed	
		Total	%		Total	%		Total	%		Total	%
Less than 1 year :	299,919	14,605	4.9	164,086	4,713	2.9	13,637	743	5.4	122,196	9,149	7.5
Men	122,811	5,272	4.3	79,692	2,442	3.1	5,786	317	5.5	37,333	2,513	6.7
Women	177,108	9,333	5.3	84,394	2,271	2.7	7,851	426	5.4	84,863	6,636	7.8
At least 1 but less than 2 years :	276,383	14,933	5.4	144,639	2,947	2.0	15,850	1,138	7.2	115,894	10,848	9.4
Men	100,098	4,447	4.4	57,565	1,165	2.0	6,632	469	7.1	35,901	2,813	7.8
Women	176,285	10,486	5.9	87,074	1,782	2.0	9,218	669	7.3	79,993	8,035	10.0
Associate's degrees :	577,398	12,048	2.1	467,101	4,575	1.0	50,996	1,478	2.9	59,301	5,995	10.1
Men	226,089	4,692	2.1	179,310	1,798	1.0	18,780	548	2.9	27,999	2,346	8.4
Women	351,309	7,356	2.1	287,791	2,777	1.0	32,216	930	2.9	31,302	3,649	11.7
At least 2 but less than 4 years :	36,174	917	2.5	18,188	182	1.0	7,711	436	5.7	10,275	299	2.9
Men	17,622	267	1.5	10,717	83	0.8	2,064	115	5.6	4,841	69	1.4
Women	18,552	650	3.5	7,471	99	1.3	5,647	321	5.7	5,434	230	4.2
Bachelor's degrees :	1,188,385	8,506	0.7	783,561	193	0.0	392,578	8,216	2.1	12,246	97	0.8
Men	526,047	4,518	0.9	350,739	167	0.0	168,406	4,296	2.6	6,902	55	0.8
Women	662,338	3,988	0.6	432,822	26	0.0	224,172	3,920	1.7	5,344	42	0.8
Post-baccalaureate certificates :	8,535	443	5.2	3,022	0	0.0	4,900	440	9.0	613	3	0.5
Men	2,750	172	6.3	1,093	0	0.0	1,514	171	11.3	143	1	0.7
Women	5,785	271	4.7	1,929	0	0.0	3,386	269	7.9	470	2	0.4
Master's degrees :	421,523	7,095	1.7	233,969	1,079	0.5	182,151	5,880	3.2	5,403	136	2.5
Men	181,718	4,217	2.3	98,076	974	1.0	80,871	3,174	3.9	2,771	69	2.5
Women	239,805	2,878	1.2	135,893	105	0.1	101,280	2,706	2.7	2,632	67	2.5
Post-master's certificates :	8,696	4	0.0	5,430	0	0.0	3,262	4	0.1	4	0	0.0
Men	3,035	4	0.1	1,723	0	0.0	1,310	4	0.3	2	0	0.0
Women	5,661	0	0.0	3,707	0	0.0	1,952	0	0.0	2	0	0.0
Doctor's degrees :	46,052	677	1.5	29,887	0	0.0	15,758	677	4.3	407	0	0.0
Men	27,226	387	1.4	17,766	0	0.0	9,281	387	4.2	179	0	0.0
Women	18,826	290	1.5	12,121	0	0.0	6,477	290	4.5	228	0	0.0
First-professional degrees :	79,463	1,654	2.1	31,481	0	0.0	47,524	1,654	3.5	458	0	0.0
Men	45,944	908	2.0	17,318	0	0.0	28,368	908	3.2	258	0	0.0
Women	33,519	746	2.2	14,163	0	0.0	19,156	746	3.9	200	0	0.0
First-professional certificates :	495	0	0.0	403	0	0.0	92	0	0.0	0	0	0.0
Men	332	0	0.0	259	0	0.0	73	0	0.0	0	0	0.0
Women	163	0	0.0	144	0	0.0	19	0	0.0	0	0	0.0

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS Completions survey, 1996-97 and "Consolidated" survey, 1997.

III. User Guidelines for Processing the 1996-97 IPEDS Completions Data File

Overview

The 1996-97 Completions and Consolidated surveys, part of the Integrated Postsecondary Education Data System (IPEDS), provide a vehicle for estimating program completions data for postsecondary education providers in the IPEDS universe. The file contains completions data for 4-year, 2-year, and less-than-2-year institutions. This information can be used to answer such questions as:

- What is the total number of degrees, certificates, and diplomas awarded by the nation's postsecondary institutions?
- How many awards were conferred in each instructional program?
- How do degrees and other awards vary by major field of study, by sex, and by race/ethnicity in postsecondary institutions?
- How do private versus public institutions compare in numbers of degrees with respect to field of study and level of degree conferred?
- What is the availability and location of highly trained manpower?

The guidelines that follow are designed to help analysts by reducing the time lag between receiving the file and generating accurate numbers to answer these types of questions.

General Information

The following general guidelines will be useful in working with the Completions file:

1. To aid the analyst and make processing more manageable, the file has been divided into several related data sets. One contains characteristics of the institution (C9697_IC.DAT). The second contains the actual completions counts for all award levels and program codes reported by or imputed for the institution (C9697_A.DAT). The third contains the institution's response to the two clarifying questions (C9697_B.DAT).
2. Each institution's data consist of one characteristics record; one or more of the completions counts records; and one clarifying questions record (if the institution responded to them). This arrangement is the same for each institution, regardless of the survey form type completed by the school (except schools completing the CN form do not have the Part B record).
3. Data field codes or ranges which are too extensive to be listed in the "Description" column of the record layout are included as separate lists in Appendix A, attached.
4. A UNITID number is present on every record, and is the unique identification code assigned by NCES to separately identify each postsecondary institution and administrative unit on the file. The UNITID is a constant number and will not change over time. The UNITID links all IPEDS survey data bases for that institution (specifically, the Institutional Characteristics, Fall Enrollment, Fall Enrollment in Occupationally Specific Programs, Completions, Finance, Salaries,

- Fall Staff, Academic Libraries, and Consolidated surveys).
5. The Office of Postsecondary Education Identification Number (OPEID) is the identification number assigned to institutions that are in the Postsecondary Education Participants System (PEPS). This system is maintained by the Office of Postsecondary Education (OPE) which tracks the eligibility status of postsecondary institutions for Title IV federal general aid programs. Having an OPEID identifies an institution as being in both IPEDS and PEPS. The eligibility status of an institution can be found in an OPE indicator variable called (OPEIND, field position 130). All institutions that are eligible to participate in Title IV federal general aid programs will have a value of "1" in this position. A value of "2" was given to any branch campus, or system office in IPEDS that was not identified as being eligible by PEPS but was part of a main campus that is eligible. Also, any U.S. service school not in PEPS was given a value of "2". IPEDS will consider any institution with a value of "1" or "2" as being eligible to participate in Title IV federal financial aid programs. The OPEID is an 8-digit code and is found in positions 122-129 of the data file. The first 6 digits of the OPEID identify the main campus. The last 2 digits represent branch campuses or additional locations and are coded as 01,02...99. For the main campus the last 2-digits will always be "00". For branch campuses of an eligible main campus in IPEDS that is not in PEPS, the last 2 digits are coded as A1, A2...A9.
 6. As mentioned earlier IPEDS will now maintain a subset of institutions called degree-granting institutions. A degree-granting institution is any institution that offers an associate's, bachelor's, master's, doctor's, or first-professional degree. Institutions that grant only certificates or awards of any length program (less-than-2-years or 2-years or more) are categorized as non-degree-granting institutions. Codes for identifying degree-granting institutions are defined in the variable called HDEGOFFR (highest degree offered,) located record positions 131-132, (see appendix A, list 9 for values).

File Structure and Other Information

Each record in the completions counts file (C9697_A.DAT) represents a single line from the survey form. This equates to the number of degrees/awards at an award level in a particular field of study, by race/ethnicity and sex of recipient. The award level is represented on the file by a two-digit number (see Section IV - Record Layout for list of values). The field of study is represented by the CIP Code.

The CIP code is generally structured as follows:

AA.BBCC, where:

AA = a two digit discipline division ;
BB = one or more intermediate groupings within AA; and
CC = designation of specific field of study, within BB.

There are two special CIP codes which require attention. CIP code "99.0000" is generated for each award level present, indicating the total degrees/awards for that award level. If data was imputed using any method other than prior Completions respondents, reporting via PETS where only total degrees by award level and sex were collected, or completions were reported for a program without a CIP code, another special code ("95.9500") is used.

Other than the 99.0000, there are no other summary CIP's on the file. However, records can be aggregated to derive summaries by two-digit ("AA") or four-digit ("AA.BB") by race/ethnicity and sex of recipient. This is a major change from earlier Completions surveys and should provide much useful data.

A listing is provided at Appendix B of all the two-digit and four-digit codes and their titles for data users. For a more complete discussion of CIP code detail, refer to the 1990 version of *"A Classification of Instructional Programs (CIP)"*.

Subsetting the File

When preparing a program to answer specific analysis questions, the user will have to explicitly subset the file with care; otherwise, incorrect results will occur. The file is structured so that all records are of fixed length and contain data in a consistent format to simplify subsetting. For example, you must know:

- a) What level of institution and/or control is being analyzed;
- b) the award level(s) analyzed;
- c) the level or levels of programs analyzed (i.e., two-, four-, or six-digit CIP codes); and
- d) whether award/degree completions by racial/ethnic groups are sought.

Once those factors are selected, you may extract the records using the variables (such as award level, specific CIP codes, etc) that correctly define the desired analysis. Two examples of subsetting a file demonstrate the extraction of Completions data at various levels of detail.

Example #1: Total Bachelor's Degrees Conferred in Economics by Race/ethnicity and Sex:

Bachelor degrees are designated by an award level of 5, and the four-digit CIP code for Economics is '45.06'. Using SAS statements as an example, select the proper records:

```
LIBNAME INDATA 'C:\C96';
DATA ECON;
  LENGTH CIP4 $5;
  SET INDATA.C9697_A(KEEP=AWLEVEL CIPCODE CRACE01-CRACE14 BAL_M BAL_W);
  CIP4=SUBSTR(CIPCODE,1,5);
  IF CIP4 = '45.06' AND AWLEVEL = 5;
PROC SUMMARY;
  VAR CRACE01-CRACE14 BAL_M BAL_W;
  OUTPUT OUT=BACHSUM SUM=;
PROC PRINT;
  VAR CRACE01-CRACE14 BAL_M BAL_W;
RUN;
```

There are obviously many ways to subset a file. Just remember that the ordering of the IF tests can dramatically affect processing time. The rule of thumb is to eliminate irrelevant records as soon as

possible, so structure the IF tests accordingly.

Example #2: Awards and Degrees Completed by Program Category in Degree-granting Institutions

As explained earlier, degree-granting institutions are considered those eligible for Title IV which grant degrees; therefore, both the OPEIND and HDEGOFFR variables must be queried to select the correct institutions. For the purposes of this example, first-professional programs will be excluded, so that only award levels 1 through 9 will be selected. Also, racial/ethnic counts are not required, so only the total men and total women will be processed. The award level total record (CIP code 99.0000) will be the only one selected. This reduces the number of observations to be processed and avoids double counting of degrees and awards. Using SAS statements, select the proper records as follows:

```
LIBNAME INDATA 'C:\C96';
DATA COMP;
  SET INDATA.C9697_A(KEEP=UNITID AWLEVEL CIPCODE CRACE15 CRACE16);
  IF CIPCODE='99.0000' AND AWLEVEL < 10 ;
PROC SORT; BY UNITID;
DATA HEGIS;
  MERGE INDATA.C9997_IC(KEEP=UNITID OPEIND HDEGOFFR IN=A) COMP(IN=B); BY
UNITID;
  IF A AND B AND (OPEIND='1' OR OPEIND='2') AND HDEGOFFR GE '01';
PROC SUMMARY;
  CLASS AWLEVEL;
  VAR CRACE15 CRACE16;
  OUTPUT OUT=LEVSUM SUM=;
PROC PRINT;
  VAR AWLEVEL CRACE15 CRACE16;
RUN;
```

Nonrespondents and Partial Respondents

As the response rates indicate, not every postsecondary institution returned a survey form. As explained on page 5, prior year's data were used, when available, for institutions that did not respond to the Completions 1996-97 survey. The respondent status code "04" (record positions 89-90 on C9697_IC.DAT) identifies those institutions for which complete imputations were done; i.e., no form was returned.

Partial imputations were performed for those institutions that provided total awards by level of award and sex; that is, the institution failed to report race/ethnicity and/or data by program and discipline. For institutions that provided grand totals only (that is, CIP 99.0000) and for which the program or discipline could not be imputed from prior year, CIP 95.9500 was created to indicate that the 6-digit program codes were not reported.

Cautionary Notes

The definitions and instructions for compiling IPEDS data have been designed to minimize comparability problems. However, postsecondary institutions differ widely among themselves. As a result of these differences, comparisons of data provided by individual institutions may be misleading.

Be aware that any given institution may not have had actual awards/degrees conferred for particular CIP codes reported. This "zero awards" or "zero degrees" reported occur because the program still exists at the institution, although there were no students completing the program during the reporting period July 1, 1996 to June 30, 1997.

One final note of caution concerns the use of award level versus Sector. Forms were mailed to institutions based upon the information provided on the prior year's Institutional Characteristics (IC) survey; i.e., control and highest level of offering, which when combined, determine an institution's sector. Even if the institution's characteristics change in the current IC, completions can properly be reported at the previous level. For example, a school which last year was designated in sector 4 (public 2-year) but in the current year's IC submission, indicates that its highest level of offering is now less than 2-years, would be changed to sector 7. However, that institution could still correctly report associate degrees (Award Level 3) on the C survey. Another institution reports on the current IC that it now offers a baccalaureate program, where previously it had only offered 2-year programs. The completions from that new program will only be reported in subsequent years. For these reasons, it is important to query the counts of completions for the levels needed rather than the sector; otherwise, legitimate completions such as the first example above will be missed in calculations or the number of schools granting baccalaureate degrees would be overstated.

Appendix A

IPEDS CODE DESCRIPTORS (ICD)

These IPEDS Code Descriptors provide information on the IPEDS survey cycles, regional accreditation, and codes for States and BEA regions.

List 1 - State Codes

STATE NAME (PO)	STABBR CODE	FIPS	BEA REGION	REGIONAL ACCREDITATION
Alabama	AL	01	5 - Southeast	SACSCC
Alaska	AK	02	8 - Far West	NWASC
Arizona	AZ	04	6 - Southwest	NCACHE,NCACOS
Arkansas	AR	05	5 - Southeast	NCACHE,NCACOS
California	CA	06	8 - Far West	WASCJC,WASCCS,WASCSR
Colorado	CO	08	7 - Rocky Mountains	NCACHE,NCACOS
Connecticut	CT	09	1 - New England	NEASCHE,NEASCTC
Delaware	DE	10	2 - Mid East	MSACHE,MSACSS
District of Columbia	DC	11	2 - Mid East	MSACHE,MSACSS
Florida	FL	12	5 - Southeast	SACSCC
Georgia	GA	13	5 - Southeast	SACSCC
Hawaii	HI	15	8 - Far West	WASCJC,WASCCS,WASCSR
Idaho	ID	16	7 - Rocky Mountains	NWASC
Illinois	IL	17	3 - Great Lakes	NCACHE,NCACOS
Indiana	IN	18	3 - Great Lakes	NCACHE,NCACOS
Iowa	IA	19	4 - Plains	NCACHE,NCACOS
Kansas	KS	20	4 - Plains	NCACHE,NCACOS
Kentucky	KY	21	5 - Southeast	SACSCC
Louisiana	LA	22	5 - Southeast	SACSCC
Maine	ME	23	1 - New England	NEASCHE,NEASCTC
Maryland	MD	24	2 - Mid East	MSACHE,MSACSS
Massachusetts	MA	25	1 - New England	NEASCHE,NEASCTC
Michigan	MI	26	3 - Great Lakes	NCACHE,NCACOS
Minnesota	MN	27	4 - Plains	NCACHE,NCACOS
Mississippi	MS	28	5 - Southeast	SACSCC
Missouri	MO	29	4 - Plains	NCACHE,NCACOS
Montana	MT	30	7 - Rocky Mountains	NWASC
Nebraska	NE	31	4 - Plains	NCACHE,NCACOS
Nevada	NV	32	8 - Far West	NWASC
New Hampshire	NH	33	1 - New England	NEASCHE,NEASCTC
New Jersey	NJ	34	2 - Mid East	MSACHE,MSACSS
New Mexico	NM	35	6 - Southwest	NCACHE,NCACOS
New York	NY	36	2 - Mid East	MSACHE,MSACSS
North Carolina	NC	37	5 - Southeast	SACSCC
North Dakota	ND	38	4 - Plains	NCACHE,NCACOS

Appendix A

List 1 - State Codes (continued)

STATE NAME (PO)	STABBR CODE	FIPS	BEA REGION	REGIONAL ACCREDITATION
Ohio	OH	39	3 - Great Lakes	NCACHE,NCACOS
Oklahoma	OK	40	6 - Southwest	NCACHE,NCACOS
Oregon	OR	41	8 - Far West	NWASC
Pennsylvania	PA	42	2 - Mid East	MSACHE,MSACSS
Rhode Island	RI	44	1 - New England	NEASCHE,NEASCTC
South Carolina	SC	45	5 - Southeast	SACSCC
South Dakota	SD	46	4 - Plains	NCACHE,NCACOS
Tennessee	TN	47	5 - Southeast	SACSCC
Texas	TX	48	6 - Southwest	SACSCC
Utah	UT	49	7 - Rocky Mountains	NWASC
Vermont	VT	50	1 - New England	NEASCHE,NEASCTC
Virginia	VA	51	5 - Southeast	SACSCC
Washington	WA	53	8 - Far West	NWASC
West Virginia	WV	54	5 - Southeast	NCACHE,NCACOS
Wisconsin	WI	55	3 - Great Lakes	NCACHE,NCACOS
Wyoming	WY	56	7 - Rocky Mountains	NCACHE,NCACOS
American Samoa	AS	60	9 - Outlying Areas	WASCJC,WASCCS,WASCSR
Federated States of Micronesia	FM	64	9 - Outlying Areas	WASCJC,WASCCS,WASCSR
Guam	GU	66	9 - Outlying Areas	WASCJC,WASCCS,WASCSR
Marshall Islands	MH	68	9 - Outlying Areas	WASCJC,WASCCS,WASCSR
Northern Marianas	MP	69	9 - Outlying Areas	WASCJC,WASCCS,WASCSR
Palau	PW	70	9 - Outlying Areas	WASCJC,WASCCS,WASCSR
Puerto Rico	PR	72	9 - Outlying Areas	MSACHE,MSACSS
Virgin Islands	VI	78	9 - Outlying Areas	MSACHE,MSACSS

Appendix A

List 2 – Bureau of Economic Analysis (BEA) Region Codes

00 - U.S. Service schools	
01 - New England	CT ME MA NH RI VT
02 - Mid East	DE DC MD NJ NY PA
03 - Great Lakes	IL IN MI OH WI
04 - Plains	IA KS MN MO NE ND SD
05 - Southeast	AL AR FL GA KY LA MS NC SC TN VA WV
06 - Southwest	AZ NM OK TX
07 - Rocky Mountains	CO ID MT UT WY
08 - Far West	AK CA HI NV OR WA
09 - Outlying Areas	AS FM GU MH MP PR PW VI

List 3 - Regional Accreditation Agency Codes (Institutional Characteristics file only)

01 - (MSACHE)	Middle States Association of Colleges and Schools, Commission on Higher Education
02 - (MSACSS)	Middle States Association of Colleges and Schools, Commission on Secondary Schools
03 - (NEASCHE)	New England Association of Schools and Colleges Commission on Institutions of Higher Education
04 - (NEASCTC)	New England Association of Schools and Colleges Commission on Vocational, Technical, Career Institutions
05 - (NCACHE)	North Central Association of Colleges and Schools, Commission on Institutions of Higher Education
06 - (NCACOS)	North Central Association of Colleges and Schools, Commission on Schools
07 - (NWASC)	Northwest Association of Schools and Colleges, Commission on Colleges
08 - (SACSCC)	Southern Association of Colleges and Schools, Commission on Colleges
09 - (WASCJC)	Western Association of Schools and Colleges, Accrediting Commission for Community and Junior Colleges
10 - (WASCCS)	Western Association of Schools and Colleges, Accrediting Commission for Schools
11 - (WASCSR)	Western Association of Schools and Colleges, Accrediting Commission for Senior Colleges and Universities

Appendix A

List 4 - Locale codes - Degree of Urbanization

Codes	Definitions
b -	blank
1 -	Large City - A central city of a CMSA or MSA with the city having a population greater than or equal to 250,000.
2 -	Mid-size City - A central city of a CMSA or MSA, with the city having a population less than 250,000.
3 -	Urban Fringe of Large City - Any incorporated place, CDP, or non-place territory within a CMSA or MSA of a Large City and defined as urban by the Census Bureau.
4 -	Urban Fringe of Mid-size City - Any incorporated place, CDP, or non-place territory within a CMSA or MSA of a Large City of a Mid-size City and defined as urban by the Census Bureau
5 -	Large Town - An incorporated place or CDP with a population greater than or equal to 25,000 and located outside a CMSA or MSA.
6 -	Small Town - An incorporated place or CDP with a population less than 25,000 and greater than or equal to 2,500 and located outside a CMSA or MSA.
7 -	Rural - Any incorporated place, CDP, or non-place territory designated as rural by the Census Bureau.
9 -	Not Assigned

List 5 - Percent Minority Enrollment Codes

The percent minority enrollment variables are included in all IPEDS data files to help users classify institutions by minority enrollment characteristics. These percentages were generated from the 1996 fall enrollment data file.

Codes	Values
00	- 0% to less than .5%
01-98	- .5% to less than 98.5%
99	- 98.5% to 100%
Blank	- Percent minority was not calculated because the institution: (1) was not in the 1996 fall enrollment file; (2) or was imputed in 1996 using the mean averages of its sector; (3) did not report race-ethnicity in 1996;

Appendix A
List 6 - Historically Black Colleges and Universities (HBCU's)

UNITID	Institution Name	State	Sector
100654	Alabama A & M University	AL	1
100724	Alabama State University	AL	1
101073	Concordia College	AL	2
101462	J F Drake State Technical College	AL	4
101569	Lawson State Community College	AL	4
101675	Miles College	AL	2
101912	Oakwood College	AL	2
102030	Bishop State Community College	AL	4
102058	Selma University/2	AL	2
102270	Stillman College	AL	2
102298	Talladega College	AL	2
102313	Trenholm State Technical College	AL	4
102377	Tuskegee University	AL	2
106306	Arkansas Baptist College	AR	2
106412	University of Arkansas at Pine Bluff	AR	1
107600	Philander Smith College	AR	2
107840	Shorter College	AR	5
130934	Delaware State University	DE	1
131399	University of the District of Columbia	DC	1
131520	Howard University	DC	2
132602	Bethune Cookman College	FL	2
133526	Edward Waters College	FL	2
133650	Florida Agricultural and Mechanical University	FL	1
133979	Florida Memorial College	FL	2
138716	Albany State College	GA	1
138947	Clark Atlanta University	GA	2
139719	Fort Valley State College	GA	1
140146	Interdenominational Theological Center	GA	2
140553	Morehouse College	GA	2
140562	Morehouse School of Medicine/1	GA	2
140571	Morris Brown College	GA	2
140720	Paine College	GA	2
140960	Savannah State College	GA	1
141060	Spelman College	GA	2
157058	Kentucky State University	KY	1
158802	Dillard University	LA	2
159009	Grambling State University	LA	1
160621	Southern University and A & M College-Baton Rouge	LA	1
160630	Southern University-New Orleans	LA	1
160649	Southern University-Shreveport-Bossier City Campus	LA	4
160904	Xavier University	LA	2
162007	Bowie State University	MD	1
162283	Coppin State College	MD	1
163338	University of Maryland Eastern Shore	MD	1
163453	Morgan State University	MD	1
170693	Lewis College of Business	MI	5

Appendix A
List 6 - Historically Black Colleges and Universities (HBCU's) - continued

UNITID	Institution Name	State	Sector
175342	Alcorn State University	MS	1
175519	Coahoma Community College	MS	4
175768	Hinds Community College-Utica Campus	MS	4
175856	Jackson State University	MS	1
175926	Mary Holmes College	MS	5
176044	Mississippi Valley State University	MS	1
176318	Rust College	MS	2
176406	Tougaloo College	MS	2
177551	Harris-Stowe State College	MO	1
177940	Lincoln University	MO	1
197948	Barber-Scotia College	NC	2
197993	Bennett College	NC	2
198507	Elizabeth City State University	NC	1
198543	Fayetteville State University	NC	1
198756	Johnson C Smith University	NC	2
198862	Livingstone College	NC	2
199102	North Carolina Agricultural & Technical State University	NC	1
199157	North Carolina Central University	NC	1
199582	Saint Augustine's College	NC	2
199643	Shaw University	NC	2
199999	Winston-Salem State University	NC	1
201690	Central State University	OH	1
206491	Wilberforce University	OH	2
207209	Langston University	OK	1
211608	Cheyney University of Pennsylvania	PA	1
213598	Lincoln University	PA	1
217624	Allen University	SC	2
217721	Benedict College	SC	2
217873	Claflin College	SC	2
217891	Clinton Junior College/2	SC	5
217989	Denmark Technical College	SC	4
218399	Morris College	SC	2
218733	South Carolina State University	SC	1
218919	Voorhees College	SC	2
220181	Fisk University	TN	2
220561	Knoxville College /2	TN	2
220598	Lane College	TN	2
220604	Le Moyne-Owen College	TN	2
220792	Meharry Medical College	TN	2
221838	Tennessee State University	TN	1
225575	Huston-Tillotson College	TX	2
225885	Jarvis Christian College	TX	2
227429	Paul Quinn College	TX	2
227526	Prairie View A & M University	TX	1
227854	St Philips College	TX	4
228486	Southwestern Christian College	TX	2

Appendix A
List 6 - Historically Black Colleges and Universities (HBCU's) - continued

UNITID	Institution Name	State	Sector
228884	Texas College /2	TX	2
229063	Texas Southern University	TX	1
229887	Wiley College	TX	2
232265	Hampton University	VA	2
232937	Norfolk State University	VA	1
233499	Saint Paul's College	VA	2
234155	Virginia State University	VA	1
234164	Virginia Union University	VA	2
237215	Bluefield State College	WV	1
237899	West Virginia State College	WV	1
243665	University of the Virgin Islands	VI	1
363721	University of the District of Columbia Sch of Law	DC	1

1/ Exempt from Faculty Salary Survey

2/ Institution is only on the Institutional Characteristics survey because it is currently not eligible to participate in Title IV financial aid programs.

Appendix A

List 7 - Carnegie Foundation Classification Codes

The 1994 classification system created by the Carnegie Foundation for the Advancement of Teaching is included in the IPEDS data files to help users of this information further delineate institutions by type. This classification, which dates back to 1970, currently includes approximately 3,600 colleges and universities in the United States that are degree-granting and accredited by an agency recognized by the Secretary, U.S. Department of Education. The 10 categories that make up the new classification scheme are based largely on academic mission and are **not** intended to measure quality. Institutions are classified according to their highest level of offering, the number of degrees conferred by discipline, and the amount of federal support for research received by the institution. Some categories also rely on the selectivity of the institution's admissions.

Information provided by the Carnegie Foundation was matched against the IPEDS "Institutional Characteristics" file and the codes are indicated in the institutional listings where matches were certain. It is important for users to note that IPEDS includes separate listings for all branches of an institution, whereas, in some instances, Carnegie lists only one campus (which encompasses the main campus and all branches). Each of the categories, and the coding scheme used in this file, are explained below:

11 - RESEARCH UNIVERSITIES I

These institutions offer a full range of baccalaureate programs, are committed to graduate education through the doctorate, and give high priority to research. They award 50 or more doctoral degrees each year. In addition, they receive annually \$40 million or more in federal support.

12 - RESEARCH UNIVERSITIES II

These institutions offer a full range of baccalaureate programs, are committed to graduate education through the doctorate, and give high priority to research. They award 50 or more doctoral degrees each year. In addition, they receive annually between \$15.5 million and \$40 million in federal support.

13 - DOCTORAL UNIVERSITIES I

These institutions offer a full range of baccalaureate programs and are committed to graduate education through the doctorate. They award at least 40 doctoral degrees annually in five or more disciplines.

14 - DOCTORAL UNIVERSITIES II

These institutions offer a full range of baccalaureate programs and are committed to graduate education through the doctorate. They award annually at least 10 doctoral degrees (in three or more disciplines), or 20 or more doctoral degrees in one or more disciplines.

21 - MASTER'S (COMPREHENSIVE) UNIVERSITIES AND COLLEGES I

These institutions offer a full range of baccalaureate programs and are committed to graduate education through the master's degree. They award 40 or more master's degrees annually in three or more disciplines.

Appendix A
List 7 – Carnegie Foundation Classification Codes – continued

22 - MASTER'S (COMPREHENSIVE) UNIVERSITIES AND COLLEGES II

These institutions offer a full range of baccalaureate programs and are committed to graduate education through the master's degree. They award 20 or more master's degrees annually in one or more disciplines.

31 - BACCALAUREATE (LIBERAL ARTS) COLLEGES I

These institutions are primarily undergraduate colleges with major emphasis on baccalaureate degree programs. They award 40 percent or more of their baccalaureate degrees in liberal arts fields and are restrictive in admissions.

32 - BACCALAUREATE COLLEGES II

These institutions are primarily undergraduate colleges with major emphasis on baccalaureate degree programs. They award less than 40 percent of their baccalaureate degrees in liberal arts fields or are less restrictive in admissions.

40 - ASSOCIATE OF ARTS COLLEGES

These institutions offer associate of arts certificate or degree programs and, with few exceptions, offer no baccalaureate degrees.

SPECIALIZED INSTITUTIONS

These institutions offer degrees ranging from the baccalaureate to the doctorate. At least 50 percent of the degrees awarded by these institutions are in a single discipline.

- 51 - Theological seminaries, Bible colleges and other institutions offering degrees in religion:** This category includes institutions at which the primary purpose is to offer religious instruction or train members of the clergy.
- 52 - Medical schools and medical centers:** These institutions award most of their professional degrees in medicine. In some instances, their programs include other health professional schools, such as dentistry, pharmacy, or nursing.
- 53 - Other separate health profession schools:** Institutions in this category award most of their degrees in such fields as chiropractic, nursing, pharmacy, or podiatry.
- 54 - Schools of engineering and technology:** The institutions in this category award at least a bachelor's degree in programs limited almost exclusively to technical fields of study.
- 55 - Schools of business and management:** The schools in this category award most of their bachelor's or graduate degrees in business or business-related programs.

Appendix A

List 7 – Carnegie Foundation Classification Codes – continued

- 56 - Schools of art, music, and design:** Institutions in this category award most of their bachelor's or graduate degrees in art, music, design, architecture, or some combination of such fields.
- 57 - Schools of law:** The schools in this category award most of their degrees in law. The list includes only institutions that are separate entities or campuses.
- 58 - Teachers colleges:** Institutions in this category award most of their bachelor's or graduate degrees in education or education-related fields.
- 59 - Other specialized institutions:** Institutions in this category include graduate centers, maritime academies, military institutes, and institutions that do not fit any other classification category.
- 60- Tribal colleges:** These colleges are, with few exceptions, tribally controlled and located on reservations. They are all members of the American Indian Higher Education Consortium.

Appendix A

List 8 - Data source - Medium used to collect data

- b - Not returned
1 - Internet
2 - Tape
3 - Diskette
4 - Form
5 - Form Facsimile
6 - PETS
7 - Other

Appendix A

List 9 -Highest Degree Offered

- 00 - Non-Degree Granting (Certificates only)
01 - First-professional degrees only
10 - Doctoral
11 - Doctoral and First-professional
20 - Master's
21 - Master's and First-professional
30 – Bachelor's
31 – Bachelor's and First-professional
40 – Associate's
41 – Associate's and First-professional
blank - nonresponse

Appendix A
List 10 -Item Imputation Flag Descriptors

- N - Original data field was blank (nonresponse)
- R - Original data value was a reported value, including reported zero
- A - Analyst adjusted a reported value
- C - Analyst corrected a cell that was previously a nonresponse
- P - Imputation for a cell that was previously a nonresponse, using prior year data as the base for imputation
- Q - Imputation for a cell that was previously reported, using prior year data as the base for imputation
- I - Imputation for a cell that was previously a nonresponse, using a method other than prior year
- X - Imputation for a cell that was previously reported, using a method other than prior year
- S - Details are adjusted (raked) to sum to the total
- T - Total adjusted to equal the sum of the detail
- U - Library data unavailable
- Z - Implied reported zero
- M - Data moved from one part of survey form to a corresponding field in another part of the survey.
- G - Data generated from other data values by the machine edits.
- D - Data suppressed due to disclosure considerations.
- J - Analyst adjusted reported value during scan edit of survey form

Appendix B

Codes and Discipline Divisions/Sub-Divisions Used in the Completions Survey

CIP	Field of Study
01	Agricultural Business and Production
01.01	Agricultural Business and Management
01.02	Agricultural Mechanization
01.03	Ag. Production/Workers and Managers
01.04	Ag. & Food Products Processing
01.05	Ag. Supplies and Related Services
01.06	Horticulture Services Ops. and Mgmt.
01.07	International Agriculture
01.99	Agricultural Business & Production, Oth.
02	Agricultural Sciences
02.01	Agriculture/Agricultural Sciences
02.02	Animal Sciences
02.03	Food Sciences and Technology
02.04	Plant Sciences
02.05	Soil Sciences
02.99	Agriculture/Agricultural Sciences, Other
03	Conservation & Renew. Natural Resources
03.01	Natural Resources Conservation
03.02	Natural Resources Mgmt. & Protect. Svcs.
03.03	Fishing and Fisheries Sciences and Mgmt.
03.04	Forest Production and Processing
03.05	Forestry and Related Sciences
03.06	Wildlife and Wildlands Management
03.99	Conservation & Renewable Nat. Resrs, Oth
04	Architecture and Related Programs
04.02	Architecture
04.03	City/Urban, Community & Reg. Planning
04.04	Architectural Environmental Design
04.05	Interior Architecture
04.06	Landscape Architecture
04.07	Architectural Urban Design and Planning
04.99	Architecture and Related Programs, Other

Appendix B

Codes and Discipline Divisions/Sub-Divisions Used in the Completions Survey (continued)

CIP	Field of Study
05	Area, Ethnic and Cultural Studies
05.01	Area Studies
05.02	Ethnic and Cultural Studies
05.99	Area, Ethnic and Cultural Studies, Other
08	Marketing Opers./Market. & Distribution
08.01	Apparel & Accessories Market. Opns.
08.02	Business & Personal Svcs. Mktg. Opns.
08.03	Entrepreneurship
08.04	Financial Services Marketing Operations
08.05	Floristry Marketing Operations
08.06	Food Products Retail and Wholesale Opns.
08.07	Gen. Retailing/Wholesaling Opns. & Skill
08.08	Home/Office Prods. Market. Opns.
08.09	Hospitality & Recreation Market. Opns.
08.10	Insurance Marketing Operations
08.11	Tourism/Travel Svcs. Market. Opns.
08.12	Vehicle/Petrol. Products Market. Opns.
08.99	Marketing Opns/Market. & Distrib.,Oth
09	Communications
09.01	Communications, General
09.02	Advertising
09.04	Journalism and Mass Communications
09.05	Public Relations & Organizational Comm.
09.07	Radio and Television Broadcasting
09.99	Communications, Other
10	Communications Technologies
10.01	Communications Technologies
11	Computer and Information Sciences
11.01	Computer and Information Sciences
11.02	Computer Programming
11.03	Data Processing Technology
11.04	Information Sciences and Systems
11.05	Computer Systems Analysis
11.07	Computer Science
11.99	Computer and Information Sciences, Other

Appendix B

Codes and Discipline Divisions/Sub-Divisions Used in the Completions Survey (continued)

CIP	Field of Study
12	Personal and Miscellaneous Services
12.02	Gaming & Sports Officiating Services
12.03	Funeral Services and Mortuary Science
12.04	Cosmetic Services
12.05	Culinary Arts & Related Services
12.99	Personal & Miscellaneous Services, Other
13	Education
13.01	Education, General
13.02	Bilingual/Bicultural Education
13.03	Curriculum and Instruction
13.04	Education Administration & Supervision
13.05	Educational/Instructional Media Design
13.06	Educational Eval., Research & Statistics
13.07	International and Comparative Education
13.08	Educational Psychology
13.09	Social/Philosophical Foundations of Educ
13.10	Special Education
13.11	Student Counseling & Personnel Services
13.12	General Teacher Education
13.13	Teacher Education, Specif. Acad/Voc. Pgm
13.14	Teaching ESL/Foreign Language
13.15	Teacher Assistant/Aide
13.99	Education, Other
14	Engineering
14.01	Engineering, General
14.02	Aerospace, Aeronautical and Astronautic
14.03	Agricultural Engineering
14.04	Architectural Engineering
14.05	Bioengineering & Biomedical Engineering
14.06	Ceramic Sciences and Engineering
14.07	Chemical Engineering
14.08	Civil Engineering
14.09	Computer Engineering
14.10	Electrical, Electronics & Communication
14.11	Engineering Mechanics
14.12	Engineering Physics
14.13	Engineering Science
14.14	Environmental/Environmental Health Engin
14.15	Geological Engineering
14.16	Geophysical Engineering
14.17	Industrial/Manufacturing Engineering
14.18	Materials Engineering
14.19	Mechanical Engineering

Appendix B

Codes and Discipline Divisions/Sub-Divisions Used in the Completions Survey (continued)

CIP	Field of Study
14.20	Metallurgical Engineering
14.21	Mining and Mineral Engineering
14.22	Naval Architecture & Marine Engineering
14.23	Nuclear Engineering
14.24	Ocean Engineering
14.25	Petroleum Engineering
14.27	Systems Engineering
14.28	Textile Sciences and Engineering
14.29	Engineering Design
14.30	Engineering/Industrial Management
14.31	Materials Science
14.32	Polymer/Plastics Engineering
14.99	Engineering, Other
15	Engineering-Related Technologies
15.01	Architectural Engineering Technology
15.02	Civil Engineering/Civil Technology
15.03	Electrical/Electron. Engineer.-Rel. Tech
15.04	Electromechanical Instrument./Maint. Tech
15.05	Environmental Control Technologies
15.06	Industrial Production Technologies
15.07	Quality Control & Safety Technologies
15.08	Mechanical Engineering-Related Tech.
15.09	Mining & Petroleum Technologies
15.10	Construction/Building Technology
15.11	Misc. Engineering-Related Technologies
15.99	Engineering-Related Technol./Techn, Oth.
16	Foreign Languages and Literatures
16.01	Foreign Languages and Literatures
16.03	East/SE Asian Languages/Literature
16.04	East European Languages & Literatures
16.05	Germanic Languages & Literatures
16.06	Greek Languages & Literatures(Modern)
16.07	South Asian Languages and Literatures
16.09	Romance Languages and Literatures
16.11	Middle Eastern Languages & Literatures
16.12	Classical/Anc. Near East. Langs. & Lit
16.99	Foreign Languages and Literatures, Other

Appendix B

Codes and Discipline Divisions/Sub-Divisions Used in the Completions Survey (continued)

CIP	Field of Study
19	Home Economics
19.01	Home Economics, General
19.02	Home Economics Business Services
19.03	Family and Community Studies
19.04	Family/Consumer Resource Management
19.05	Foods and Nutrition Studies
19.06	Housing Studies
19.07	Individual/Family Development Studies
19.09	Clothing/Apparel and Textile Studies
19.99	Home Economics, Other
20	Vocational Home Economics
20.02	Child Care/Guidance Workers & Managers
20.03	Clothing, Apparel & Textile Workers & Ma
20.04	Institutional Food Workers & Admins.
20.05	Home Furnishings and Equipment Installer
20.06	Custodial, Housekeeping and Home Service
20.99	Vocational Home Economics, Other
22	Law and Legal Studies
22.01	Law and Legal Studies
23	English Language & Literature/Letters
23.01	English Language and Literature, General
23.03	Comparative Literature
23.04	English Composition
23.05	English Creative Writing
23.07	American Literature (United States)
23.08	English Literature (British & Commonweal
23.10	Speech and Rhetorical Studies
23.11	English Technical and Business Writing
23.99	English Language and Lit./Letters, Other
24	Liberal/General Studies & Humanities
24.01	Lib. Arts & Sci./Gen. Studies/Humanities
25	Library Science
25.01	Library Science/Librarianship
25.03	Library Assistant
25.99	Library Science, Other

Appendix B

Codes and Discipline Divisions/Sub-Divisions Used in the Completions Survey (continued)

CIP	Field of Study
26	Biological Sciences/Life Sciences
26.01	Biology, General
26.02	Biochemistry and Biophysics
26.03	Botany
26.04	Cell and Molecular Biology
26.05	Microbiology/Bacteriology
26.06	Misc. Biological Specializations
26.07	Zoology
26.99	Biological Sciences/Life Sciences, Other
27	Mathematics
27.01	Mathematics
27.03	Applied Mathematics
27.05	Mathematical Statistics
27.99	Mathematics, Other
29	Military Technologies
29.01	Military Technologies
30	Multi/Interdisciplinary Studies
30.01	Biological and Physical Sciences
30.05	Peace and Conflict Studies
30.06	Systems Science and Theory
30.08	Mathematics and Computer Science
30.10	Biopsychology
30.11	Gerontology
30.12	Historic Preservation, Conservation and
30.13	Medieval and Renaissance Studies
30.14	Museology/Museum Studies
30.15	Science, Tech. and Society
30.99	Multi/Interdisciplinary Studies, Other
31	Parks, Recreation, Leisure & Fitness
31.01	Parks, Recreation and Leisure Studies
31.03	Parks, Rec. & Leisure Facilities Mgmt.
31.05	Health and Physical Education/Fitness
31.99	Parks, Recreation, Leisure and Fitness S

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Codes and Discipline Divisions/Sub-Divisions Used in the Completions Survey (continued)

CIP	Field of Study
38	Philosophy and Religion
38.01	Philosophy
38.02	Religion/Religious Studies
38.99	Philosophy and Religion
39	Theological Studies/Religious Vocations
39.01	Biblical & Oth Theological Lang. & Lit.
39.02	Bible/Biblical Studies
39.03	Missions/Missionary Studies and Misology
39.04	Religious Education
39.05	Religious/Sacred Music
39.06	Theological & Ministerial Studies
39.07	Pastoral Counseling & Specialized Minist
39.99	Theological Studies & Rel. Vocations, Ot
40	Physical Sciences
40.01	Physical Sciences, General
40.02	Astronomy
40.03	Astrophysics
40.04	Atmospheric Sciences and Meteorology
40.05	Chemistry
40.06	Geological and Related Sciences
40.07	Miscellaneous Physical Sciences
40.08	Physics
40.99	Physical Sciences, Other
41	Science Technologies
41.01	Biological Technologies
41.02	Nuclear & Industrial Radiologic Tech.
41.03	Physical Science Technologies
41.99	Science Technologies, Other
42	Psychology
42.01	Psychology, General
42.02	Clinical Psychology
42.03	Cognitive Psychology & Psycholinguistics
42.04	Community Psychology
42.06	Counseling Psychology
42.07	Developmental and Child Psychology
42.08	Experimental Psychology
42.09	Industrial and Organizational Psychology
42.11	Physiological Psychology/Psychobiology
42.16	Social Psychology

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Codes and Discipline Divisions/Sub-Divisions Used in the Completions Survey (continued)

CIP	Field of Study
42.17	School Psychology
42.99	Psychology, Other
43	Protective Services
43.01	Criminal Justice and Corrections
43.02	Fire Protection
43.99	Protective Services, Other
44	Public Administration and Services
44.02	Community Organization, Resources & Serv
44.04	Public Administration
44.05	Public Policy Analysis
44.07	Social Work
44.99	Public Administration and Services, Oth.
45	Social Sciences and History
45.01	Social Sciences, General
45.02	Anthropology
45.03	Archeology
45.04	Criminology
45.05	Demography/Population Studies
45.06	Economics
45.07	Geography
45.08	History
45.09	International Relations and Affairs
45.10	Political Science and Government
45.11	Sociology
45.12	Urban Studies/Affairs
45.99	Social Sciences, Other
46	Construction Trades
46.01	Mason and Tile Setters
46.02	Carpenters
46.03	Elec. & Power Trans. Installers
46.04	Construction/Building Finishers/Managers
46.05	Plumbers and Pipefitters
46.99	Construction Trades, Other

Appendix B

Codes and Discipline Divisions/Sub-Divisions Used in the Completions Survey (continued)

CIP	Field of Study
47	Mechanics and Repairers
47.01	Elect./Electron. Equip. Install/Repair
47.02	Heating, Air Conditioning and Refrigerat
47.03	Indust. Equipment Main. and Repairers
47.04	Misc. Mechanics and Repairers
47.05	Stationary Energy Sources Installer/Oper
47.06	Vehicle/Mobile Equip. Mech/Repairers
47.99	Mechanics and Repairers, Other
48	Precision Production Trades
48.01	Drafting
48.02	Graphic & Printing Equipment Operators
48.03	Leatherworkers and Upholsterers
48.05	Precision Metal Workers
48.07	Woodworkers
48.99	Precision Production Trades, Other
49	Transportation & Material Moving Workers
49.01	Air Transportation Workers
49.02	Vehicle and Equipment Operators
49.03	Water Transportation Workers
49.99	Transportation and Materials Moving Work
50	Visual and Performing Arts
50.01	Visual and Performing Arts
50.02	Crafts, Folk Art and Artisanry
50.03	Dance
50.04	Design and Applied Arts
50.05	Drama/Theater Arts and Stagecraft
50.06	Film/Video and Photographic Arts
50.07	Fine Arts and Art Studies
50.09	Music
50.99	Visual and Performing Arts, Other
51	Health Professions & Related Sciences
51.01	Chiropractic (D.C., D.C.M.)
51.02	Communication Disorders Sciences/Svcs.
51.03	Community Health Services
51.04	Dentistry (D.D.S., D.M.D.)
51.05	Dental Clinical Sciences/Graduate Dentis
51.06	Dental Services
51.07	Health & Medical Administrative Services
51.08	Health and Medical Assistants

Appendix B

Codes and Discipline Divisions/Sub-Divisions Used in the Completions Survey (continued)

CIP	Field of Study
51.09	Health & Medical Diagnostic/Treatment Sv
51.10	Health & Med. Lab. Techno/Technicians
51.11	Health and Medical Preparatory Programs
51.12	Medicine (M.D.)
51.13	Medical Basic Sciences
51.14	Medical Clinical Sciences (M.S., Ph.D.)
51.15	Mental Health Services
51.16	Nursing
51.17	Optometry (O.D.)
51.18	Ophthalmic/Optometric Services
51.19	Osteopathic Medicine (D.O.)
51.20	Pharmacy
51.21	Podiatry (D.P.M., D.P., Pod.D.)
51.22	Public Health
51.23	Rehabilitation/Therapeutic Services
51.24	Veterinary Medicine (D.V.M.)
51.25	Veterinary Clinical Sciences (M.S., Ph.D)
51.26	Miscellaneous Health Aides
51.27	Misc. Health Sci. & Allied Health Svcs.
51.99	Health Professions & Rel. Sciences, Oth.
52	Business Management & Admin. Services
52.01	Business
52.02	Business Administration and Management
52.03	Accounting
52.04	Administrative & Secretarial Services
52.05	Business Communications
52.06	Business/Managerial Economics
52.07	Enterprise Management and Operation
52.08	Financial Management and Services
52.09	Hospitality Services Management
52.10	Human Resources Management
52.11	International Business
52.12	Business Information & Data Process. Svc
52.13	Business Quantitative Meth. & Mgmt. Sci.
52.14	Marketing Management and Research
52.15	Real Estate
52.16	Taxation
52.99	Business Management & Admin. Serv., Oth.
95	Undesignated Field of Study
95.95	Undesignated Field of Study
99	Award Level Grand Total

Appendix C

Listing of Nonrespondents Not Imputed

UNITID	Title IV Eligible, Degree- granting	School name	State
4-year, private, non-profit			
420246	✓	SOUTHWEST COLLEGE OF NATUROPATHIC MED & HEALTH SCI	AZ
128586	✓	BAIS BINYOMIN ACADEMY	CT
384421	✓	RABBI JACOB JOSEPH SCHOOL	NJ
186900	✓	TALMUDICAL ACADEMY-NEW JERSEY	NJ
189291		BETH JACOB HEBREW TEACHERS COLLEGE	NY
189316		BETH MEDRASH EYUN HATALMUD	NY
207856	✓	SOUTHWESTERN COLLEGE OF CHRISTIAN MINISTRIES	OK
231147	✓	VERMONT LAW SCHOOL	VT
369792		RADIOLOGIC TECHNOLOGY PROGRAM-WINDHAM MEMORIAL HOS	CT
2-year, private, for-profit			
383020		MIDWEST CENTER FOR THE STUDY OF ORIENTAL MEDICINE	WI

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